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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

COUNTRY Germany (Soviet Zone)

SUBJECT Leuna Lactam Developments

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4. "In the lactam plant in Leuna the following production process is at present in operation:
1. Discontinuous di-salt-process.
 2. Discontinuous hydrolysis process according to Raschig.
Note: converted to ammonium nitrite because of the nitrogen balance.
 3. Discontinuous oxime production at an elevated temperature.
Note: The continuous oxime production according to Deiters has been abandoned.
 4. After, separation of ammonium sulfate liquor (follows).

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5. Continuous rearrangement with oleum without circulation. Although the reaction volume is larger the conversion is somewhat greater.
6. Continuous neutralization according to Deiters.
7. Extraction.
8. Then follows concentration in an evaporator installation.
9. Then discontinuous distillation in 3,000-liter stills which are heated with steam of 15 atmospheres gauge. Creation of vacuum through low-pressure Wiegand ray pump. The continuous distillation is lying idle.

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